

Model: GW12-150W(12V 40Ah)

## **GW** Series



Legacy Canadian products designed in Canada, assembled in China.

### VLRA High Rate Discharge Battery

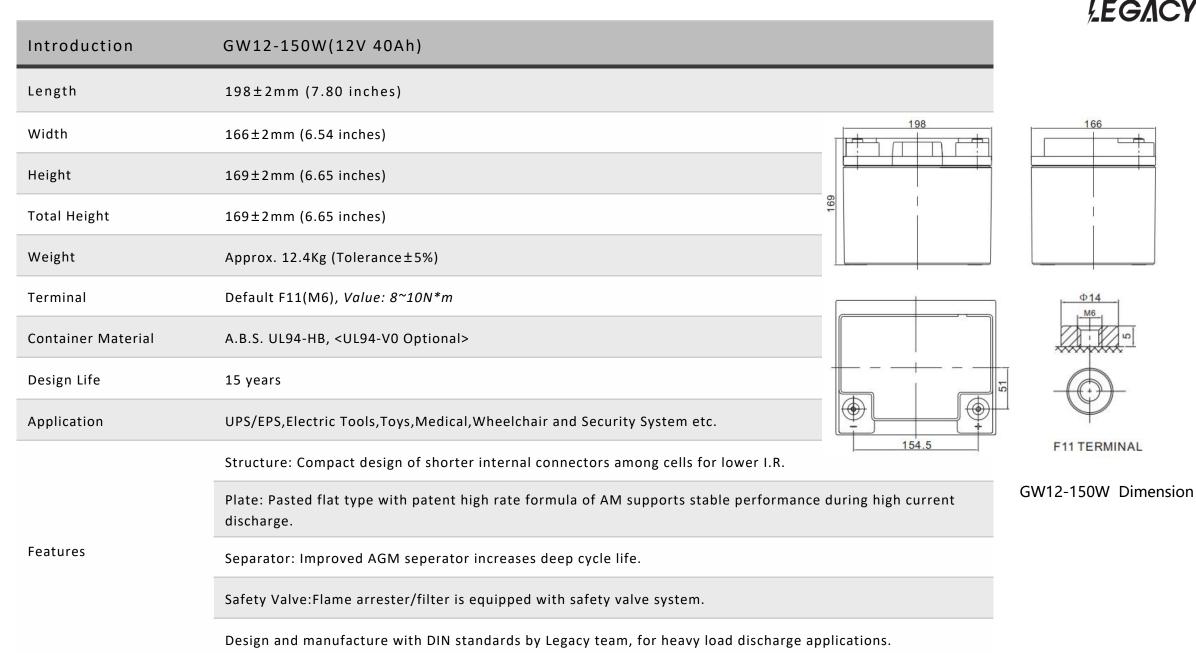
**Connecting To Legacy** 

🔎 Laval-Quebec-Canada

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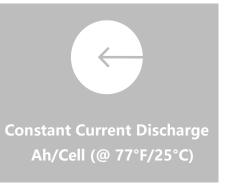
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Parameters	GW12-150W(12V 40Ah)	,
Cell Per Unit	6	
Voltage Per Unit	12V	
Nominal Capacity	150W@15min-rate to 1.67V per cell @25°C	
Internal Resistance	≤9.5 mΩ(Full Charge Condition @25°C)	LEGACU
Max. Discharge Current	400A (5 sec)	
Max. Charging Current	12.0A	
Short Circuit Current	1100A	
Reference Capacity	C10: 37.8Ah C20: 40.0Ah	
Standby Use Voltage	13.50 V~13.62 V @ 25°C Temperature Compensation: -3mV/°C/Cell	GW12-150W Imagine
Cycle Use Voltage	14.10 V~14.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell	
Normal Operating Temperature Range	25°C±5°C	
Operating Temperature Range	Discharge and Storage : -20°C~60°C Charge: 0°C~50°C	
Self Discharge	Monthly Self-discharge ratio is less than 3% at $25^{\circ}$ C	
Note	Legacy GW batteries can be stored for up to 6 months at $25^\circ C$ and recharging is recommended. Please charged batteries before using.	

F.V/TIME	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	149.9	124.1	108.7	82.95	67.54	49.79	28.81	20.68
1.65V	136.0	113.8	100.5	77.36	63.49	47.11	27.49	19.83
1.70V	130.2	109.4	96.87	75.00	61.71	45.98	26.94	19.45
1.75V	120.2	101.9	90.82	70.95	58.63	44.03	26.00	18.84
1.80V	110.2	94.36	84.76	67.14	55.87	42.16	25.06	18.23
1.85V	94.56	80.38	71.81	57.73	48.49	37.30	22.64	16.62

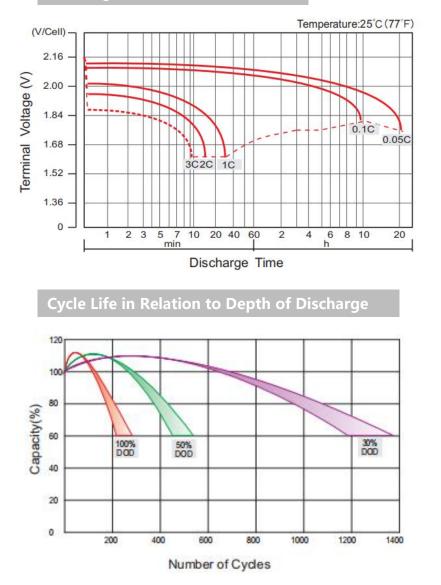


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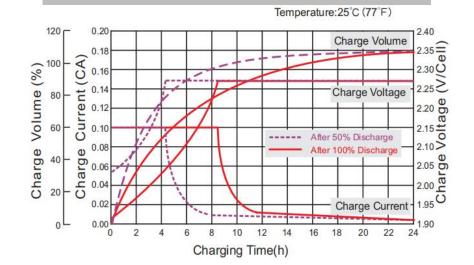
F.V/TIME	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	275.4	231.1	204.5	158.1	129.8	96.74	54.11	39.13
1.65V	256.4	216.8	193.0	150.0	123.9	92.76	52.08	37.83
1.70V	247.9	210.3	187.6	146.5	121.2	90.90	51.22	37.30
1.75V	232.7	198.7	178.2	140.2	116.4	87.90	49.82	36.30
1.80V	216.5	186.5	168.3	134.0	112.0	84.82	48.33	35.30
1.85V	188.6	161.1	144.5	116.4	98.11	75.65	43.96	32.47



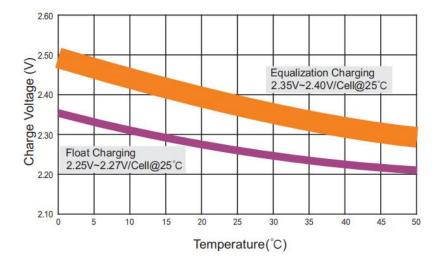
#### **Discharge Characteristics Curve**



Charge Characteristics Curve For Standby Use(IU)



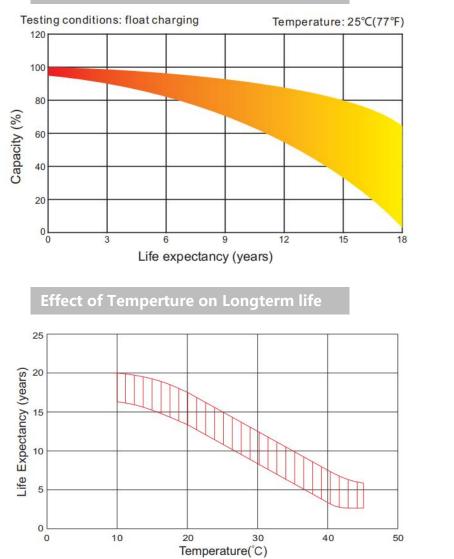
#### Relationship Between Charging Voltage and Temperture

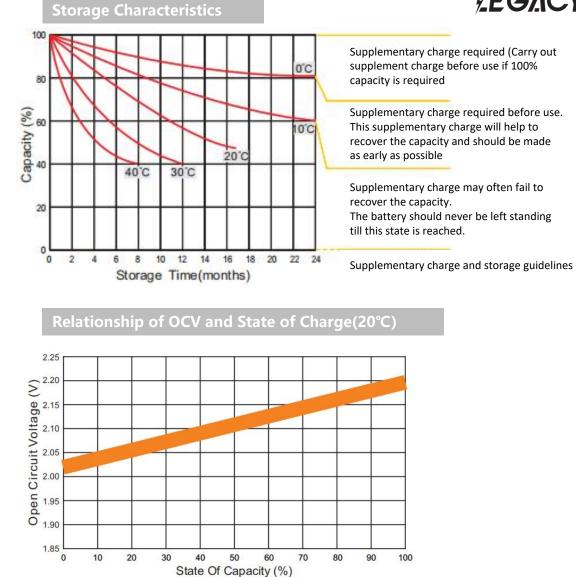


Note: The above datas are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Legacy reserves the right to explain and update the lastest information.









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